



Standards *Actions*



Technical Standards Program Document Status

12-18-2000

Activity Summary

In Conversion – 4

In Preparation – 38

Out for Comment – 16

Published this Month – 0



FY 2001 5-year Reviews

Revisions in Progress – 2

Reaffirmations in Progress – 2

Supersedures in Progress – 6

Cancellations Pending – 11

Cancellations in Progress – 33

No Current Action – 16

DOE Technical Standards Project Initiated

If you have any questions or are interested in participating in the development of this standard, please contact the representative listed below. Complete listings of all DOE Technical Standards projects and their status are given on the Technical Standards Program (TSP) Web Site referenced at the bottom of this page. To access these lists from the home page, click on "DOE Technical Standards," then click on "Projects" in the left-hand frame to show the links to the project lists.

The following DOE Technical Standards project was recently initiated:

- *Radiological Control Training for Supervisors*, Project Number TRNG-00017 (update to two DOE-EH training documents—DOE/EH-0423 and DOE/EH-0424), Peter O'Connell, EH-52; 301-903-5641, Fax 301-903-7773, Peter.O'Connell@eh.doe.gov.

DOE Technical Standards Recently Sent for Coordination

The appropriate Technical Standards Managers (TSMs) will request specific reviewers to comment on these drafts. The full text of the documents is available on the TSP Web Site. If you wish to comment on this document, please notify your TSM.

The following draft DOE Technical Standards were recently distributed for coordination:

- *Principles for Procedure System Management*, Project Number MGMT-0004, Maggie Sturdivant and Earl Carnes, EH-53, 301-903-0078 / 301-903-5255, Fax: 301-903-0557 / 301-903-6172, Maggie.Sturdivant@eh.doe.gov or Earl.Carnes@eh.doe.gov. Comments are due February 8, 2001.
- *Hoisting and Rigging*, update to DOE-STD-1090-99, Project Number SAFT-0077, Hoisting and Rigging Technical Advisory Committee, contact: Pat Finn, EH-53, 301-903-9876, Fax: 301-903-2239, Pat.Finn@eh.doe.gov. Comments are due February 8, 2001. Responses from DOE Area Offices, Laboratories, and M&O Contractors should be coordinated through their organization's representative on the DOE Hoisting and Rigging Technical Advisory Committee (<http://tis-nt.eh.doe.gov/whs/TechComm/hrtacindex.html>). Comments should then be returned through the appropriate DOE management or organization channels in sufficient time to permit consolidation at the Operations Office and subsequent transmittal to the preparer.



Visit the Technical Standards Program Web Site: <http://tis.eh.doe.gov/techstds/>

Non-Government Standards

American National Standards Institute

The American National Standards Institute (ANSI) publishes coordination activities of non-Government standards (NGS) biweekly in *ANSI Standards Action*. Recent electronic copies (no hardcopies are produced) are available on the ANSI Web site at http://web.ansi.org/rooms/room_14/. Electronic back copies are available to ANSI members only. For information on site membership, ask your local ANSI contact. For information on individual or group ANSI membership, contact Susan Bose at 212-642-4948 or sbose@ansi.org.

Hardcopy versions of published non-Government standards listed in this section may be obtained from Global Engineering Documents, 15 Inverness Way East, Englewood, Colorado, 80112, 800-854-7179, Fax 303-397-2740, global@ihs.com, <http://global.ihs.com>. Electronic delivery of selected documents is available through ANSI at <http://webstore.ansi.org>. Copies of the listed draft standards and the procedure for commenting on them may be obtained by contacting the standards developing organization.

The following listings are extracted from *ANSI Standards Action* and are representative of NGS development activities that may be relevant to DOE operations. Refer to *ANSI Standards Action* for a more extensive listing of changes and new publications, standards developing organizations, and additional information about submitting comments. Additional information on ANSI activities and available non-Government standards can be found on the ANSI Web site, <http://www.ansi.org>, or through the National Standards System Network, <http://www.nssn.org>.

The following American National Standards are currently in coordination (comment due dates follow each entry):

- ASME B31.3b, *Process Piping* (revision of ANSI/ASME B31.3b-1997) – February 13, 2001.
- ASME B31.4a, *Liquid Transportation Systems for Hydrocarbons, Liquid Petroleum Gas, Anhydrous Ammonia, and Alcohols* (supplement to ANSI/ASME B31.4-1998 edition) – February 13, 2001.
- ASQ E4, *Quality Systems for Environmental Data and Technology Programs - Specifications with Guidance for Use* (revision of ANSI/ASQC E4-1994) – January 30, 2001.
- C84.1-1995, *Electric Power Systems and Equipment – Voltage Ratings (60 Hertz)* (reaffirmation of ANSI C84.1-1995) – January 30, 2001.

- FMRC FM 4880, *Fire Test Standard for Class 1: A) Insulated Wall or Walls and Ceilings or Roofs; B) Plastic Interior Finish Materials; C) Plastic Exterior Building Panels; D) Wall and Wall and Ceiling Coating Systems; E) Interior or Exterior Finish Systems* (new standard) – January 2, 2001.
- NFPA T2.13.4-1994, *Recommendations for Conservation, Maintenance, and Disposal of Hydraulic Fluids – Information Report* (DOD approved) (reaffirmation of ANSI/(NFPA) T2.13.4-1994) – January 30, 2001.
- NSF 14(i1), *Plastic Piping System Components and Related Materials* (revision of ANSI/NSF 14-2000) – January 15, 2001.
- NSF 46(i2), *Evaluation of Components and Devices Used in Wastewater Treatment Systems* (revision of ANSI/NSF 46-2000) – January 15, 2001.
- UL 10B, *Standard for Safety for Fire Tests of Door Assemblies* (new standard) – January 15, 2001.
- UL 58, *Standard for Safety for Steel Underground Tanks for Flammable and Combustible Liquids* (new standard) – January 30, 2001.

The following American National Standards have been approved for publication (Publication is to take place within six months following the date shown. Publication status and ordering information may be obtained from ANSI's Customer Service at 212-642-4900.):

- ANSI/ASHRAE 150P-2000, *Method of Testing the Performance of Cool Storage Systems* (new standard) – November 15, 2000.
- ANSI/ASME PTC 6A-2000, *Performance Test Code – Steam Turbines – Appendix A* (revision of ANSI/ASME PTC 6A-1982 (R1995)) – November 17, 2000.
- ANSI/AWS C5.3-2000, *Recommended Practices for Air Carbon Arc Gouging and Cutting* (revision of ANSI/AWS C5.3-91) – November 21, 2000.
- ANSI/IEEE 260.3-1993 (R2000), *Mathematical Signs and Symbols for Use in Physical Sciences and Technology* (reaffirmation of ANSI/IEEE 260.3-1993) – November 2, 2000.
- ANSI/IEEE 286-2000, *Recommended Practice for Measurement of Power Factor Tip-Up of Electric Machinery Stator Coil Insulation* (new standard) – October 30, 2000.
- ANSI/IEEE 739-1995 (R2000), *Recommended Practice for Energy Management in Industrial and Commercial Facilities* (re-affirmation of ANSI/IEEE 739-1995) – October 30, 2000.
- ANSI/IEEE 1205-2000, *Guide for Assessing, Monitoring, and Mitigating Aging Effects on Class 1E Equip-*

ment Used in Nuclear Power Generating Stations (revision of ANSI/IEEE 1205-1993) – October 30, 2000.

- ANSI/IEEE 1515-2000, *Recommended Practice for Electronic Power Subsystems: Parameter Definitions, Test Conditions, and Test Methods* (new standard) – November 2, 2000.
- ANSI/IEEE C37.96-2000, *Guide for AC Motor Protection* (new standard) – October 30, 2000.
- ANSI/ISA S12.01.01-1999, *Definitions and Information Pertaining to Electrical Apparatus in Hazardous (Classified) Locations* (new standard) – November 21, 2000.

The following international standards are currently in coordination (comment due dates follow each entry):

- EN 207:1998/prA1, *Personal Eye-Protection – Filters and Eye-Protectors Against Laser Radiation (Laser Eye-Protectors)* – March 5, 2001.
- EN 208:1998/prA1, *Personal Eye-Protection – Eye-Protectors for Adjustment Work on Lasers and Lasers Systems (Laser Adjustment Eye-Protectors)* – March 5, 2001.
- EN 12254:1998/prA1, *Screens for Laser Working Places – Safety Requirements and Testing* – March 5, 2001.
- ISO/DIS 9239-2, *Reaction to Fire Tests – Horizontal Surface Spread of Flame on Floorings – Part 2: Determination of Flame Spread at a Heat Flux Level of 25 Kw/M²* – February 15, 2001.
- ISO/DIS 9606-1, *Approval Testing of Welders – Fusion Welding – Part 1: Steels* – February 15, 2001.
- ISO/DIS 10576-1, *Statistical Methods – Guidelines for the Evaluation of Conformity with Specified Requirements – Part 1: General Principles* – February 15, 2001.
- ISO/DIS 11611, *Protective Clothing for Use in Welding and Allied Processes* – February 15, 2001.
- ISO/DIS 14327, *Resistance Welding – Procedures for Determining the Weldability Lobe for Resistance Spot, Projection and Seam Welding* – February 22, 2001.
- ISO/DIS 15705, *Water Quality – Determination of Chemical Oxygen Demand of Waste Waters (ST-COD) – Sealed Tube Small-Scale Method* – February 15, 2001.
- ISO/DIS 15927-4, *Hydrothermal Performance of Buildings – Climatic Data – Part 4: Data for Assessing the Annual Energy Demand for Cooling and Heating Systems* – February 22, 2001.

- ISO/DIS 17642-1, *Destructive Tests on Welds in Metallic Materials – Cold Cracking Tests for Weldments – Part 1: General* – February 15, 2001.
- ISO/DIS 17642-2, *Destructive Tests on Welds in Metallic Materials – Cold Cracking Tests for Weldments – Part 2: Self-Restraint Tests* – February 15, 2001.
- ISO/DIS 17642-3, *Destructive Tests on Welds in Metallic Materials – Cold Cracking Tests for Weldments – Part 3: Externally Loaded Tests* – February 15, 2001.
- ISO/DIS 20381, *Mobile Elevating Work Platforms – Symbols for Operator Controls and Other Displays* – February 22, 2001.
- prEN 3-7, *Portable Fire Extinguishers – Part 7: Characteristics, Performance Requirements and Test Methods* – March 12, 2001.
- prEN 144-3, *Respiratory Protective Devices – Gas Cylinder Valves – Part 3: Outlet Nitrox Connections* – March 5, 2001.
- prEN 352-5, *Hearing Protectors – Safety Requirements and Testing – Part 5: Active Noise Reduction Ear-Muffs* – March 5, 2001.
- prEN 402 REVIEW, *Respiratory Protective Devices – Lung Governed Demand Self-Contained Open-Circuit Compressed Air Breathing Apparatus with Full Face Mask or Mouthpiece Assembly for Escape – Requirements, Testing, Marking* – March 5, 2001.
- prEN 1071-3, *Advanced Technical Ceramics – Methods of Test for Ceramic Coatings – Part 3: Determination of Adhesion and Other Mechanical Failure Modes by a Scratch Test* – March 5, 2001.
- prEN 10319, *Metallic Materials – Tensile Stress Relaxation Testing* – March 5, 2001.
- prEN 12094-1, *Fixed Firefighting Systems – Components Gas Extinguishing Systems – Part 1: Requirements and Test Methods for Electrical Automatic Control and Delay Devices* – January 12, 2001.
- prEN 12094-11, *Fixed Firefighting Systems – Components Gas Extinguishing Systems – Part 11: Requirements and Test Methods for Mechanical Weighing Devices* – March 12, 2001.
- prEN 12094-12, *Fixed Firefighting Systems – Components Gas Extinguishing Systems – Part 12: Requirements and Test Methods for Alarm Devices* – March 12, 2001.
- prEN 12101-1, *Smoke and Heat Control Systems – Part 1: Specification for Smoke Barriers* – January 12, 2001.

- prEN 13096, *Transportable Gas Cylinders – Conditions for Filling Gases into Receptacles – Single Component Gases* – December 22, 2000.
- prEN 13099, *Transportable Gas Cylinders – Conditions for Filling Gas Mixtures into Receptacles* – December 22, 2000.
- prEN 13927, *Non-Destructive Testing – Visual Testing – Equipment* – March 12, 2001.
- prEN 13949, *Respiratory Equipment – Open-Circuit Self-Contained Compressed Nitrox Diving Apparatus – Requirements, Testing, Marking* – March 5, 2001.
- prEN 13952, *LPG Cylinders – Filling Procedures* – March 19, 2001.
- prEN 13953, *Pressure Relief Valves for Transportable Refillable Cylinders for Liquefied Petroleum Gas (LPG)* – March 19, 2001.
- prEN 13965-1, *Characterization of Waste – Terminology – Part 1: Material Related Terms and Definitions* – March 12, 2001.
- prEN 13966, *Determination of the Transfer Efficiency of Atomising and Spraying Equipment for Liquid Coating Materials – Part 1: Flat Panels* – March 12, 2001.
- prEN 14013, *Smoke Control Doorsets – Requirements and Classification* – March 5, 2001.
- prEN 14015-1, *Specification for the Design and Manufacture of Site Built, Vertical, Cylindrical, Flat-Bottomed, Above Ground, Welded, Metallic Tanks for the Storage of Liquids at Ambient Temperature and Above – Part 1: Steel Tanks* – March 12, 2001.
- prEN 14022, *Structural Adhesives – Determination of the Pot Life (Working Life) of Multi-component Adhesives* – March 19, 2001.
- prEN 14024, *Metal Profiles with Thermal Barrier – Mechanical Performance – Requirements, Proof and Tests for Assessment* – March 5, 2001.
- prEN 14025, *Tanks for the Transport of Dangerous Goods – Metallic Pressure Tanks – Design and Construction* – March 5, 2001.

The following newly published international standards are available:

- IEC 60068-2-18 Ed. 2.0 b: 2000, *Environmental Testing – Part 2-18: Tests – Test R and Guidance: Water*.
- IEC 60417-1 Ed. 2.0 b: 2000, *Graphical Symbols for Use on Equipment – Part 1: Overview and Application*.
- IEC 60934 Ed. 3.0 b: 2000, *Circuit Breakers for Equipment (CBE)*.

- IEC 61000-4-23 Ed. 1.0 b: 2000, *Electromagnetic Compatibility (EMC) – Part 4-23: Testing and Measurement Techniques – Test Methods for Protective Devices for HEMP and Other Radiated Disturbances*.
- IEC 61158 Ed. 2.0 b: 2000, *Digital Data Communications for Measurement and Control – Fieldbus for use in Industrial Control Systems (Parts 3 to 6)*.
- IEC 61204-3 Ed. 1.0 b: 2000, *Low-Voltage Power Supplies, D.C. Output – Part 3: Electromagnetic Compatibility (EMC)*.
- IEC 61326-1 Ed. 1.2 b: 2000, *Electrical Equipment for Measurement, Control and Laboratory Use – EMC Requirements*.
- IEC 62118 Ed. 1.0 b: 2000, *Nuclear Reactor Instrumentation – Pressurized Water Reactor (PWR) Of VVER Design – Monitoring Adequate Cooling Within the Core During Shutdown*.
- ISO 4343:2000, *Industrial Automation Systems – Numerical Control of Machines – NC Processor Output – Post Processor Commands*.
- ISO 10303-41:2000, *Industrial Automation Systems and Integration – Product Data Representation and Exchange – Part 41: Integrated Generic Resource: Fundamentals of Product Description and Support*.
- ISO 10360-1:2000, *Geometrical Product Specifications (GPS) – Acceptance and Reverification Tests for Coordinate Measuring Machines (CMM) – Part 1: Vocabulary*.
- ISO 12706:2000, *Non-Destructive Testing – Terminology – Terms Used in Penetrant Testing*.
- ISO 12789:2000, *Reference Neutron Radiations – Characteristics and Methods of Production of Simulated Workplace Neutron Fields*.
- ISO 13995:2000, *Protective Clothing – Mechanical Properties – Test Method for the Determination of the Resistance to Puncture and Dynamic Tearing of Materials*.
- ISO 14539:2000, *Manipulating Industrial Robots – Object Handling with Grasp-Type Grippers – Vocabulary and Presentation of Characteristics*.
- ISO 15187:2000, *Manipulating Industrial Robots – Graphical User Interfaces for Programming and Operation of Robots (GUI-R)*.
- ISO 16017-1:2000, *Indoor, Ambient and Workplace Air – Sampling and Analysis of Volatile Organic Compounds by Sorbent Tube/Thermal Desorption/Capillary Gas Chromatography – Part 1: Pumped Sampling*.

American National Standards Projects Initiated

The following is a list of proposed new American National Standards or revisions to existing American National Standards submitted to ANSI by accredited standards developers. DOE employees or contractors interested in participating in these activities should contact the appropriate standards developing organization. DOE-TSL-4 lists the DOE representatives on NGS committees. If no DOE representative is listed, contact the TSPO for information on participating in NGS activities.

American Welding Society

Office: 550 N. W. LeJeune Road
Miami, FL 33126

Fax: 305-443-5951

Contact: Leonard Connor, lconnor@aws.org

- AWS C2.24, *Modified Layer Removal Method Procedure for Evaluating Residual Stresses in Thermal Spray Coatings* (new standard).
- AWS C2.25, *Specification for Solid and Composite Wires and Ceramic Rods for Thermal Spraying* (new standard).

Institute of Electrical and Electronics Engineers

Office: 445 Hoes Lane, P. O. Box 1331
Piscataway, NJ 08855-1331

Fax: 732-562-1571

Contact: Bob Pritchard, r.pritchard@ieee.org

- IEEE C63-1-15.7, *Study of the Correlation Between Radiated Emission Measurements Performed at an Open Area Test Site (OATS) and a Fully Absorber Lined Shielded Chamber* (new standard).

NSF International

Office: 789 Dixboro Road
Ann Arbor, MI 48105

Fax: 734-827-6831

Contact: Deborah Scott, dscott@nsf.org

- ANSI/ISO 14020, *Environmental Labels and Declarations – General Principles* (new standard).
- ANSI/ISO 14021, *Environmental Labels and Declarations – Self-Declared Environmental Claims (Type II Environmental Labelling)* (new standard).
- ANSI/ISO 14024, *Environmental Labels and Declarations – Type I Environmental Labelling – Principles and Procedures* (new standard).

American Society for Testing and Materials

Standards activities of the American Society for Testing and Materials (ASTM) are published monthly in *ASTM Standardization News*. Orders for subscriptions or single copies of *ASTM Standardization News* may be submitted to ASTM, Subscription Dept.-SN, 100 Barr Harbor

Drive, West Conshohocken, Pennsylvania 19428-2959. For information regarding ASTM membership, contact the Membership Services Department at 610-832-9691 (Fax 610-832-9667). ASTM publications may be ordered from the ASTM Customer Services Department at 610-832-9585 (Fax 610-832-9555). Comments on listed draft standards may be submitted by contacting the ASTM Standards Coordination Department at the above address. Questions may be addressed to the Technical Committee Operations Division at 610-832-9672 (Fax 610-832-9666). Additional information on ASTM activities is available on the ASTM Web site (<http://www.astm.org>). The following listings are extracted from *ASTM Standardization News* and are representative of NGS development activities that may be relevant to DOE operations.

The following ASTM standards are currently in coordination (the due date for all items is January 10, 2001):

- C 833-95a, *Specification for Sintered (Uranium-Plutonium) Dioxide Pellets* (revised standard).
- C 1168-90(1995), *Practice for Preparation and Dissolution of Plutonium Materials for Analysis* (revised standard).
- C 1348-96, *Specification for Blended Uranium Oxides with a 235 U Content of Less Than 5% for Direct Hydrogen Reduction to Nuclear Grade Uranium Dioxide* (revised standard).
- C 1411-99, *Practice for the Ion Exchange Separation of Uranium and Plutonium Prior to Isotopic Analysis* (revised standard).
- C 1414-99, *Practice for the Separation of Americium From Plutonium by Ion Exchange* (revised standard).
- C 1415-99, *Test Method for 238 Pu Isotopic Abundance by Alpha Spectrometry* (revised standard).
- D 9522-99a, *Specification for Minimum Requirements for Laboratories Engaged in Chemical Analysis of Soil, Rock, and Contained Fluid* (revised standard).
- E 693-94, *Practice for Characterizing Neutron Exposures in Iron and Low Alloy Steels in Terms of Displacements Per Atom (DPA)* (revised standard).
- E 706-87(1994), *Master Matrix for Light-Water Reactor Pressure Vessel Surveillance Standards* (revised standard).
- E 1269-99, *Test Method for Determining Specific Heat Capacity by Differential Scanning Calorimetry* (revised standard).
- F 1174-91(1995), *Practice for Using a Personal Computer as a Test Instrument* (revised standard).

- New Standard, *Test Method for Determination of Total Chlorine and Fluorine in Uranium Dioxide and Gadolinium Oxide* (Ref. Z6287Z).
- New Standard, *Guide for Developing and Applying Detection and Quantification Limits for Ground-Water Monitoring Systems* (Ref. Z7171Z).
- New Standard, *Test Method for Radiochemical Determination of Strontium-90 in Soil* (Ref. Z8034Z).
- New Standard, *Test Method for Determination of Metallic Impurities in Uranium Metal or Compounds by DC-Arc Emission Spectroscopy* (Ref. Z8072Z).
- New Standard, *Guide for Applying Statistical Methods for Assessment and Corrective Action Environmental Monitoring Programs* (Ref. Z8150Z).
- New Standard, *Guide for Selection, Training, and Qualification of NDA Personnel* (Ref. Z8361Z).
- New Standard, *Test Method for the Non-Destructive Assay of Nuclear Material in Waste by Passive and Active Neutron Counting Using a Differential Die-Away System* (Ref. Z8550Z).

The following newly published standards are available from ASTM:

- C 1000-00, *Test Method for Radiochemical Determination of Uranium Isotopes in Soil by Alpha Spectrometry* (revised standard).
- C 1001-00, *Test Method for Radiochemical Determination of Plutonium* (revised standard).
- C 1291-00, *Test Method for Elevated Temperature Tensile Creep Strain, Creep Strain Rate, and Creep Time-to-Failure for Advanced Monolithic Ceramics* (revised standard).
- C 1468-00, *Test Method for Transthickness Tensile Strength of Continuous Fiber-Reinforced Advanced Ceramics at Ambient Temperature* (new standard).
- C 1469-00, *Test Method for Shear Strength of Joints of Advanced Ceramics at Ambient Temperature* (new standard).
- C 1470-00, *Guide for Testing the Thermal Properties of Advanced Ceramics* (new standard).
- D 642-00, *Test Method for Determining Compressive Resistance of Shipping Containers, Components, and Unit Loads* (revised standard).
- D 6232-00, *Guide for Selection of Sampling Equipment for Waste and Contaminated Media Data Collection Activities* (revised standard).
- D 6568-00, *Guide for Planning, Carrying Out, and Reporting Traceable Chemical Analyses of Water Samples* (new standard).

- D 6577-00, *Guide for Testing Industrial Protective Coatings* (revised standard).
- E 207-00, *Test Method for Thermal (EMF) Test of Single Thermoelement Materials by Comparison with a Reference Thermoelement of Similar EMF-Temperature Properties* (revised standard).
- E 344-00, *Terminology Relating to Thermometry and Hydrometry* (revised standard).
- E 1318-00, *Specification for Highway Weigh-In-Motion (WIM) Systems with User Requirements and Test Methods* (revised standard).
- E 1329-00, *Practice for Verification and Use of Control Charts in Spectrochemical Analysis* (revised standard).
- E 1546-00, *Guide for Development of Fire-Hazard-Assessment Standards* (revised standard).
- E 1742-00, *Practice for Radiographic Examination* (revised standard).
- E 2091-00, *Guide for Use of Activity and Use Limitations, Including Institutional and Engineering Controls* (new standard).
- E 2093-00, *Guide for Optimizing, Controlling and Reporting Test Method Uncertainties from Multiple Workstations in the Same Laboratory Organization* (new standard).

Comments, Questions, and Addresses

Comments: If you have any questions or comments, please contact Rick Serbu, EH-53, Manager, DOE Technical Standards Program Office (TSPO), 301-903-2856, Fax 301-903-6172, Richard.Serbu@eh.doe.gov.

Addresses: *Standards Actions* and *The Standards Forum* are now being published electronically and will be available only via your access to the TSP Web Site (<http://tis.eh.doe.gov/techstds/>). However, we would like to maintain both our e-mail and surface mail distribution lists so that we can send you special notices concerning technical standards and the DOE Technical Standards Program. Although we may currently have your surface mail address, we have e-mail addresses for only a few of you. We are requesting that those of you who are interested in receiving special notices please contact Amy Bush, ORNL, 865-576-2395, Fax 865-574-0382, bushar@ornl.gov, and give her your updated e-mail and surface mail addresses.

Technical Standards Activities: The TSPO would like to be kept informed of the status of technical standards that are being prepared or coordinated for DOE. Please provide this information to the TSPO at 865-576-2395, bushar@ornl.gov.